

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P851377

Luminaire Tested: **GLAN-SB9B-827-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32072 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

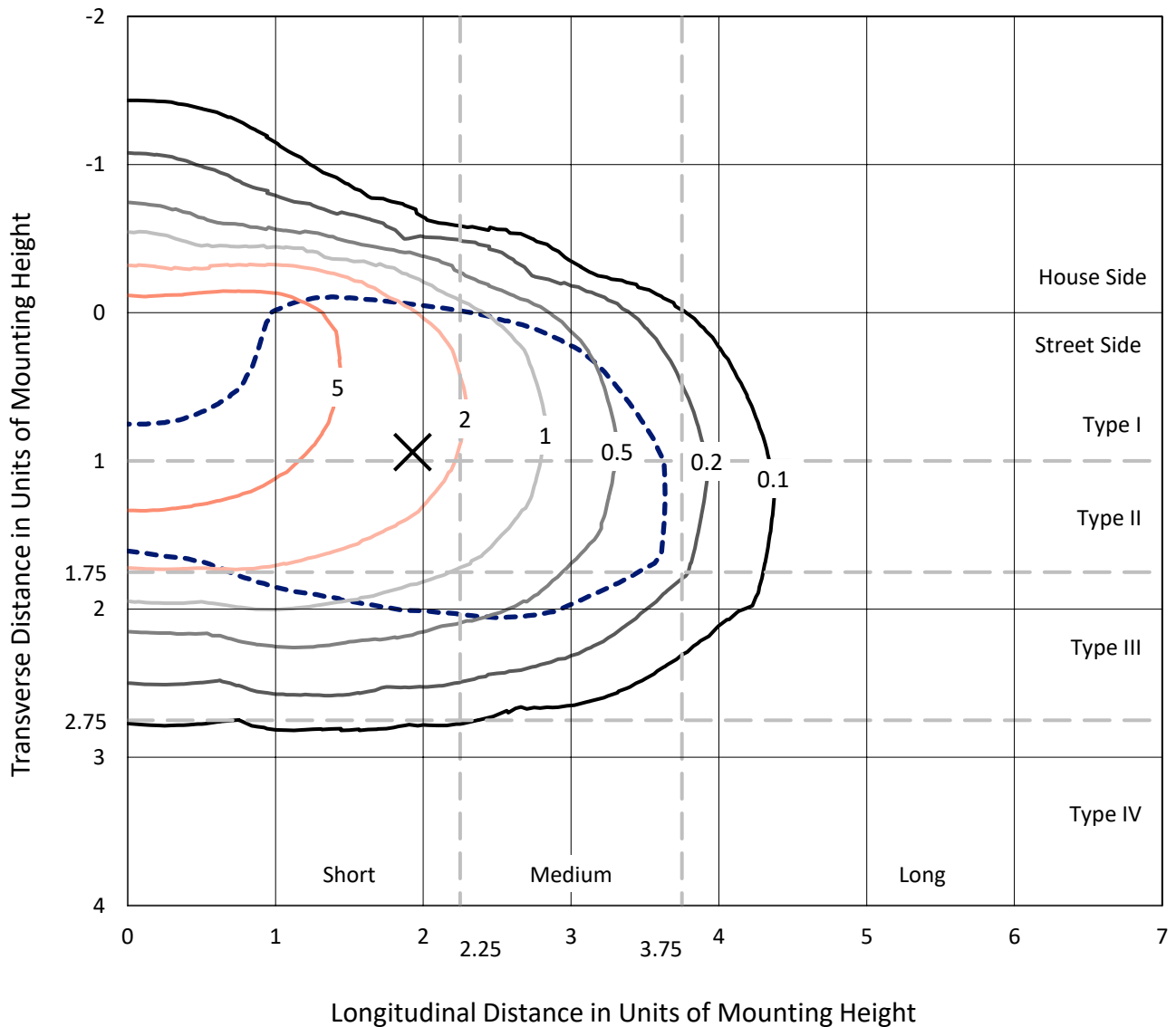
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

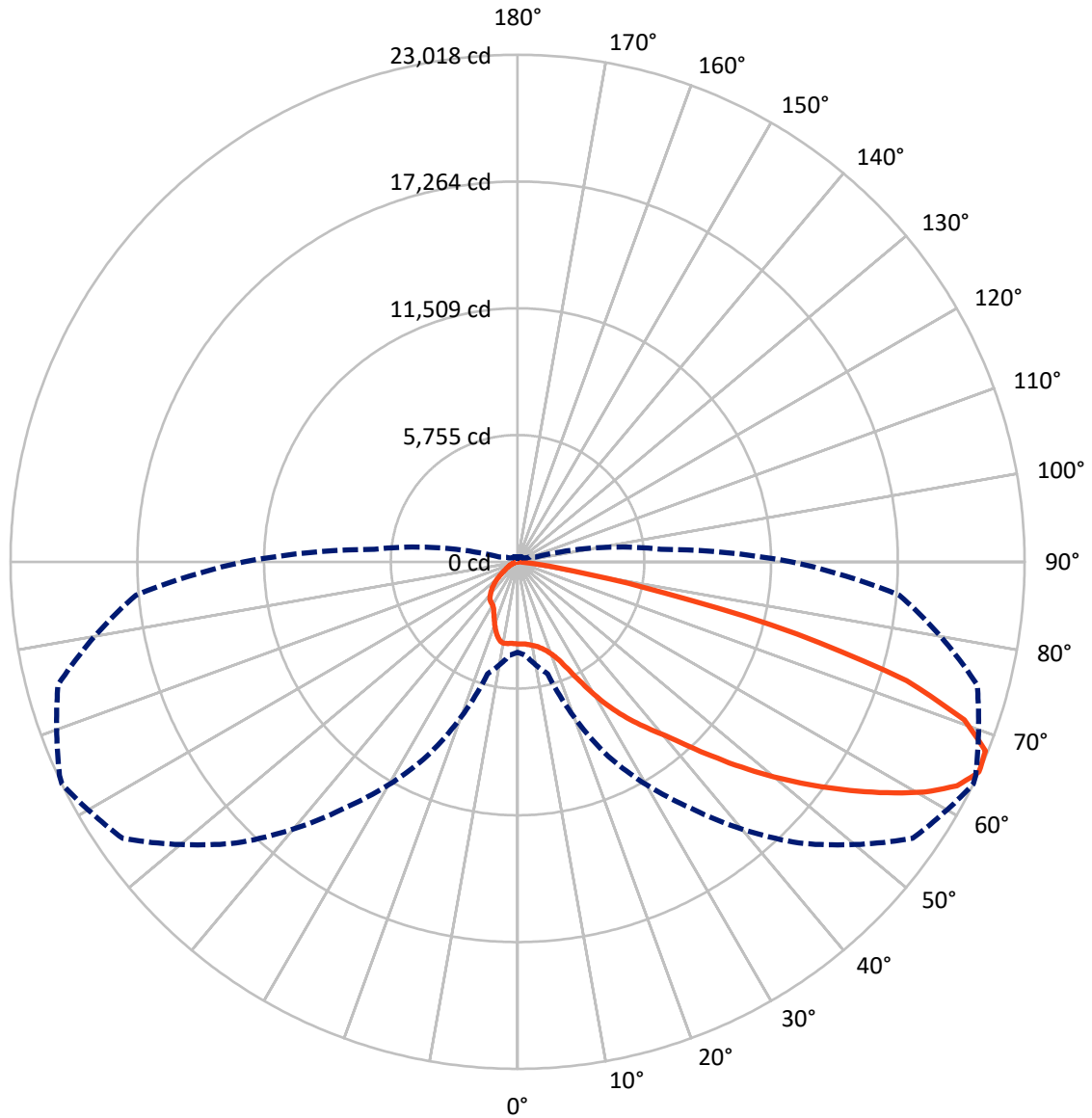
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4289.0	0.0	4289.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	27783.0	0.0	27783.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	32072.0	0.0	32072.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.2	1.1
10°-20°	933.5	2.9
20°-30°	1768.8	5.5
30°-40°	3579.3	11.2
40°-50°	6097.3	19.0
50°-60°	8291.8	25.9
60°-70°	7786.5	24.3
70°-80°	3119.6	9.7
80°-90°	151.1	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	32072.0	100.0
0°-180°	32072.0	100.0

Coefficient of Utilization



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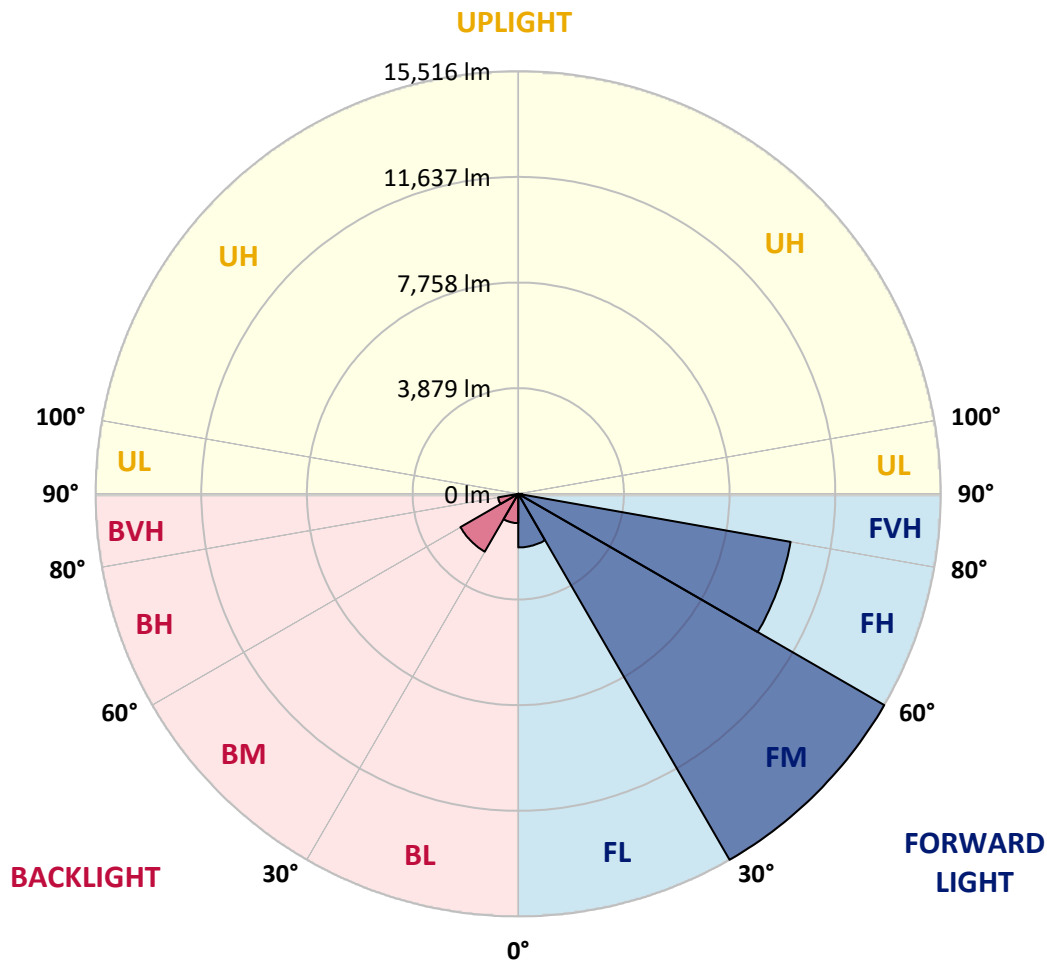
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1969.6	6.1			
FM (30°-60°)	15516.4	48.4			
FH (60°-80°)	10153.3	31.7			G4/12000
FVH (80°-90°)	143.8	0.4			G2/225
BL (0°-30°)	1076.8	3.4	B3/2500		
BM (30°-60°)	2452.0	7.6	B2/2500		
BH (60°-80°)	752.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3
2.5°	3717.4	3743.2	3736.8	3730.3	3728.2	3732.5	3734.6	3732.5	3732.5	3732.5
5°	3646.5	3668.0	3668.0	3683.0	3704.5	3730.3	3749.7	3754.0	3758.3	3764.7
7.5°	3511.0	3528.2	3541.1	3590.6	3644.3	3713.1	3771.2	3801.3	3805.6	3829.2
10°	3418.6	3440.1	3461.6	3513.2	3590.6	3693.8	3792.7	3865.8	3876.5	3932.4
12.5°	3414.3	3435.8	3463.7	3519.6	3609.9	3719.6	3840.0	3945.3	3964.7	4046.4
15°	3459.4	3485.2	3511.0	3579.8	3676.6	3809.9	3938.9	4070.0	4089.4	4205.5
17.5°	3551.9	3586.3	3605.6	3674.4	3777.6	3926.0	4095.8	4246.3	4263.5	4399.0
20°	3734.6	3775.5	3781.9	3837.8	3938.9	4098.0	4300.1	4487.1	4508.6	4663.4
22.5°	4113.0	4171.1	4119.5	4147.4	4237.7	4396.8	4616.1	4852.6	4882.7	5059.0
25°	4779.5	4861.2	4727.9	4680.6	4719.3	4884.9	5160.1	5458.9	5493.3	5635.2
27.5°	6088.9	5983.5	5781.4	5583.6	5467.5	5562.1	5871.7	6241.5	6284.5	6422.1
30°	7527.3	7434.8	7161.8	6723.2	6447.9	6432.9	6718.9	7131.7	7181.1	7312.3
32.5°	8967.8	8879.6	8582.9	8043.3	7566.0	7329.5	7527.3	7985.2	8011.0	8094.9
35°	10384.7	10294.4	9997.7	9445.1	8858.1	8320.6	8281.9	8797.9	8806.5	8894.7
37.5°	11810.1	11734.9	11418.8	10877.0	10298.7	9556.9	9197.8	9567.6	9578.4	9664.4
40°	12827.1	12859.3	12642.2	12222.9	11726.3	10915.7	10225.6	10386.8	10322.3	10466.4
42.5°	13700.0	13764.5	13575.3	13364.6	13076.5	12362.7	11498.4	11470.4	11367.2	11444.6
45°	14454.7	14508.4	14338.6	14289.1	14282.7	13781.7	12889.4	12721.7	12577.7	12562.6
47.5°	14732.0	14835.2	14908.3	15073.9	15396.4	15185.7	14327.8	14067.7	13906.4	13788.2
50°	14837.4	14947.0	15196.4	15678.0	16441.3	16531.6	15759.7	15467.3	15269.5	15054.5
52.5°	14695.5	14891.1	15226.5	16037.1	17144.4	17610.9	17133.6	16877.8	16652.0	16301.5
55°	13859.1	14054.8	14740.6	16032.8	17494.8	18367.7	18432.2	18318.3	18064.6	17512.0
57.5°	12096.1	12386.3	13472.1	15486.7	17488.4	19019.2	19705.0	19786.8	19502.9	18711.7
60°	9653.6	10047.1	11371.5	14276.2	16948.7	19371.8	20820.9	21229.4	20928.4	19894.3
62.5°	6736.1	7191.9	8445.3	12379.9	15714.6	19118.1	21635.8	22390.4	22162.5	20952.1
65°	4108.7	4254.9	5265.4	9741.8	13616.2	18056.0	21887.3	23018.2	22943.0	21599.2
67.5°	2737.0	2859.5	3149.8	6680.2	10569.6	15933.9	21285.3	22908.6	22930.1	21493.9
70°	1649.1	1754.4	1943.6	3885.1	6850.0	12612.1	19421.2	21511.1	21635.8	20085.6
72.5°	679.4	750.4	922.4	1760.9	3547.6	8004.6	15465.2	18468.8	18759.0	16888.5
75°	384.9	421.4	541.8	883.7	1539.4	3730.3	9367.7	13110.9	13538.8	11640.3
77.5°	255.9	273.1	350.5	571.9	866.5	1272.8	4003.4	6830.7	7647.7	6357.6
80°	172.0	187.1	240.8	382.7	563.3	546.1	1275.0	2530.6	3113.2	2184.4
82.5°	116.1	118.3	172.0	251.6	356.9	264.5	376.3	786.9	989.0	632.1
85°	66.7	64.5	126.9	146.2	159.1	109.7	114.0	236.5	309.6	266.6
87.5°	8.6	12.9	49.5	38.7	21.5	23.7	23.7	40.9	60.2	64.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3730.3	0°	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3
3734.6	2.5°	3734.6	3732.5	3726.0	3719.6	3704.5	3695.9	3700.2	3695.9	3693.8	3695.9
3762.6	5°	3762.6	3756.1	3738.9	3717.4	3687.3	3650.8	3627.1	3592.7	3560.5	3541.1
3837.8	7.5°	3837.8	3831.4	3807.7	3747.5	3650.8	3498.1	3358.4	3235.8	3143.3	3089.6
3958.2	10°	3958.2	3947.5	3910.9	3777.6	3523.9	3190.6	2913.3	2683.2	2532.7	2461.8
4100.1	12.5°	4100.1	4087.2	4022.7	3749.7	3283.1	2762.8	2380.1	2124.2	1984.5	1922.1
4263.5	15°	4267.8	4250.6	4123.8	3616.4	2932.6	2289.8	1939.3	1748.0	1657.7	1601.8
4472.1	17.5°	4476.4	4446.3	4199.0	3416.4	2552.1	1928.6	1668.4	1524.4	1444.8	1391.1
4745.1	20°	4747.3	4697.8	4259.2	3177.7	2201.6	1700.7	1485.7	1365.3	1305.1	1257.8
5132.1	22.5°	5125.7	5054.7	4332.3	2919.7	1954.4	1543.7	1350.2	1262.1	1212.6	1158.9
5671.8	25°	5594.4	5510.5	4422.6	2681.1	1784.5	1408.3	1251.3	1178.2	1120.2	1057.8
6379.1	27.5°	6250.1	6099.6	4530.1	2485.4	1638.3	1292.2	1161.0	1079.3	1012.7	961.1
7181.1	30°	6981.2	6733.9	4624.7	2367.2	1505.0	1184.7	1042.8	961.1	898.7	862.2
7901.4	32.5°	7673.5	7338.1	4687.1	2315.6	1384.6	1062.1	913.8	825.6	778.3	767.6
8606.6	35°	8327.1	7884.2	4680.6	2266.1	1277.1	939.6	786.9	696.6	660.1	666.5
9365.5	37.5°	9079.6	8466.8	4635.5	2188.7	1189.0	827.8	677.3	597.7	565.5	567.6
10287.9	40°	9954.7	9139.8	4607.5	2042.5	1092.2	724.6	587.0	522.5	498.8	490.2
11259.7	42.5°	10887.8	9791.2	4611.8	1877.0	971.8	632.1	524.6	470.9	449.4	442.9
12341.2	45°	11825.2	10412.6	4618.3	1705.0	845.0	561.2	479.5	434.3	421.4	412.8
13437.7	47.5°	12706.7	10941.5	4497.9	1520.1	720.3	507.4	442.9	412.8	402.1	391.3
14538.5	50°	13528.0	11294.1	4207.6	1305.1	621.4	464.4	415.0	393.5	382.7	372.0
15536.1	52.5°	14166.6	11350.0	3728.2	1083.6	552.6	432.2	397.8	378.4	365.5	354.8
16342.4	55°	14450.4	10999.6	3046.6	877.2	498.8	404.2	380.6	361.2	346.2	335.4
16976.7	57.5°	14377.3	10262.1	2375.8	705.2	447.2	376.3	359.1	346.2	329.0	311.8
17490.5	60°	14018.2	9275.2	1791.0	587.0	399.9	346.2	335.4	324.7	301.0	275.2
17688.3	62.5°	13396.9	8034.7	1277.1	485.9	348.3	311.8	307.5	298.9	264.5	217.2
17395.9	65°	12446.5	6527.5	860.0	404.2	298.9	273.1	275.2	260.2	215.0	161.3
16325.2	67.5°	11057.6	4773.1	550.4	331.1	249.4	227.9	230.1	221.5	182.8	137.6
14295.6	70°	9288.1	3160.5	359.1	251.6	200.0	176.3	189.2	191.4	154.8	111.8
10971.6	72.5°	6809.2	1866.2	251.6	187.1	146.2	122.6	154.8	159.1	124.7	83.9
6600.6	75°	3880.8	885.8	189.2	135.5	90.3	86.0	120.4	120.4	86.0	55.9
2857.4	77.5°	1629.7	369.8	133.3	88.2	51.6	49.5	81.7	75.3	43.0	25.8
696.6	80°	470.9	165.6	71.0	43.0	21.5	19.4	32.3	23.7	10.8	4.3
264.5	82.5°	184.9	73.1	28.0	17.2	8.6	8.6	4.3	0.0	0.0	0.0
150.5	85°	109.7	30.1	12.9	6.5	2.2	0.0	0.0	0.0	0.0	0.0
32.3	87.5°	28.0	6.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
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3730.3
3704.5
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1051.4
950.3
855.7
774.0
666.5
576.2
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352.6
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